RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____10/511,937_____

Source: _____PCT_____

Date Processed by STIC: _____09/12/2005_____

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RAW SEQUENCE LISTING   DATE: 09/12/2005
PATENT APPLICATION: US/10/511,937   TIME: 13:18:13

Input Set : D:\SEQLIST506612000104.txt
Output Set: N:\CRF4\09122005\J511937.raw

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     3 <110> APPLICANT: EXPRESSION DIAGNOSTICS, INC.
     4        Wohlgemuth, Jay
     5        Fry, Kirk
     6        Woodward, Robert
     7        Ly, Ngoc
     8        Prentice, James
     9        Morris, MacDonald
    10        Rosenberg, Steven
    12 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING
    13        AND MONITORING TRANSPLANT REJECTION
    15 <130> FILE REFERENCE: 506612000104
C-->17 <140> CURRENT APPLICATION NUMBER: US/10/511,937
C-->17 <141> CURRENT FILING DATE: 2004-10-19
    17 <150> PRIOR APPLICATION NUMBER: PCT/US2003/012946
    18 <151> PRIOR FILING DATE: 2003-04-24
    20 <150> PRIOR APPLICATION NUMBER: US 10/131,831
    21 <151> PRIOR FILING DATE: 2002-04-24
    23 <150> PRIOR APPLICATION NUMBER: US 10/325,899
    24 <151> PRIOR FILING DATE: 2002-12-20
    26 <160> NUMBER OF SEQ ID NOS: 3117
    28 <170> SOFTWARE: PatentIn version 3.2
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    41 <212> TYPE: DNA
    42 <213> ORGANISM: Homo sapiens
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    53 <400> SEQUENCE: 3
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    58 <211> LENGTH: 50
    59 <212> TYPE: DNA
    60 <213> ORGANISM: Homo sapiens
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69 <213> ORGANISM: Homo sapiens
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72 agtttcataa ttgtgtactc ggaaattaaa gtttgcttgt ttcttggtct          50
75 <210> SEQ ID NO: 6
76 <211> LENGTH: 50
77 <212> TYPE: DNA
78 <213> ORGANISM: Homo sapiens
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81 tcgttaagag agcaacattt tacccacaca cagataaagt tttcccttga          50
84 <210> SEQ ID NO: 7
85 <211> LENGTH: 50
86 <212> TYPE: DNA
87 <213> ORGANISM: Homo sapiens
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94 <211> LENGTH: 50
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo sapiens
98 <400> SEQUENCE: 8
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105 <213> ORGANISM: Homo sapiens
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113 <212> TYPE: DNA
114 <213> ORGANISM: Homo sapiens
116 <400> SEQUENCE: 10
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120 <210> SEQ ID NO: 11
121 <211> LENGTH: 50
122 <212> TYPE: DNA
123 <213> ORGANISM: Homo sapiens
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134 <400> SEQUENCE: 12
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            Input Set : D:\SEQLIST506612000104.txt
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159 <213> ORGANISM: Homo sapiens
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177 <213> ORGANISM: Homo sapiens
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184 <211> LENGTH: 50
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
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204 <213> ORGANISM: Homo sapiens
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213 <213> ORGANISM: Homo sapiens
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220 <211> LENGTH: 50
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 22
225 ctccccgtga gcactgcgta caaacatcca aaagttcaac aacaccagaa          50
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229 <211> LENGTH: 50
230 <212> TYPE: DNA
231 <213> ORGANISM: Homo sapiens
233 <400> SEQUENCE: 23
234 tgaaatatca gactagtgac aagctcctgg tcttgagatg tcttctcgtt          50
237 <210> SEQ ID NO: 24
238 <211> LENGTH: 50
239 <212> TYPE: DNA
240 <213> ORGANISM: Homo sapiens
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243 ctgctgtctt cacccgaatc tcccattacc ggccctggat caaccagatc          50
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249 <213> ORGANISM: Homo sapiens
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252 tgtgtaaata cataagcggc gtaagtttaa aggatgttgg tgttccacgt          50
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256 <211> LENGTH: 50
257 <212> TYPE: DNA
258 <213> ORGANISM: Homo sapiens
260 <400> SEQUENCE: 26
261 ctgatcttac tctactgctg ctgacataaa accaggaccc tttctccaca          50
264 <210> SEQ ID NO: 27
265 <211> LENGTH: 50
266 <212> TYPE: DNA
267 <213> ORGANISM: Homo sapiens
269 <400> SEQUENCE: 27
270 tgtgagagat gccccacacc aaacccaacc ctcccgatgg ctgcattccc          50
273 <210> SEQ ID NO: 28
274 <211> LENGTH: 50
275 <212> TYPE: DNA
276 <213> ORGANISM: Homo sapiens
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279 tctctcagga gcaggggcat tgctgatttt gtctgcccaa tccatcctgc          50
282 <210> SEQ ID NO: 29
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285 <213> ORGANISM: Homo sapiens
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288 cgtggatgag ctggagttcc gcaagaaacg gagccagagg cccagcaggt           50
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294 <213> ORGANISM: Homo sapiens
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297 atgagggcac agagcatggc ctccagagga ggggtggtgt ccttctcctc           50
300 <210> SEQ ID NO: 31
301 <211> LENGTH: 50
302 <212> TYPE: DNA
303 <213> ORGANISM: Homo sapiens
305 <400> SEQUENCE: 31
306 ctttgggttg gagctgttcc attgggtcct cttggtgtcg tttccctccc           50
309 <210> SEQ ID NO: 32
310 <211> LENGTH: 50
311 <212> TYPE: DNA
312 <213> ORGANISM: Homo sapiens
314 <400> SEQUENCE: 32
315 gatccagaat ccactctcca gtctccctcc cctgactccc tctgctgtcc           50
318 <210> SEQ ID NO: 33
319 <211> LENGTH: 50
320 <212> TYPE: DNA
321 <213> ORGANISM: Homo sapiens
323 <400> SEQUENCE: 33
324 attatgacta tcaagggagc agtttaaata accgtttcct ttcatttact           50
327 <210> SEQ ID NO: 34
328 <211> LENGTH: 50
329 <212> TYPE: DNA
330 <213> ORGANISM: Homo sapiens
332 <400> SEQUENCE: 34
333 ctccaaatac cgttaagctg gagcctcggt ggccatgctt cttgcccctt           50
336 <210> SEQ ID NO: 35
337 <211> LENGTH: 50
338 <212> TYPE: DNA
339 <213> ORGANISM: Homo sapiens
341 <400> SEQUENCE: 35
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345 <210> SEQ ID NO: 36
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347 <212> TYPE: DNA
348 <213> ORGANISM: Homo sapiens
350 <400> SEQUENCE: 36
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354 <210> SEQ ID NO: 37
355 <211> LENGTH: 50
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Input Set : D:\SEQLIST506612000104.txt
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

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Seq#:423; N Pos. 35,140,394,397,401,404,412,536,569,581,615,619,640,651,662
Seq#:423; N Pos. 677,680,687
Seq#:439; N Pos. 144,145,159,165,223,309
Seq#:476; N Pos. 54,62,110,137
Seq#:477; N Pos. 11,17,32,34,35,50,103,110,116,122,134,135,149,152,159,169
Seq#:477; N Pos. 172,182,197,204,257
Seq#:483; N Pos. 54,62,110,137
Seq#:493; N Pos. 605
Seq#:519; N Pos. 113,270
Seq#:534; N Pos. 15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33
Seq#:534; N Pos. 34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52
Seq#:534; N Pos. 53,54,55,56,57,58,59,60,61,62,63,64
Seq#:548; N Pos. 33,624,848
Seq#:559; N Pos. 1,340
Seq#:579; N Pos. 235
Seq#:584; N Pos. 289
Seq#:591; N Pos. 5402
Seq#:594; N Pos. 8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27
Seq#:594; N Pos. 28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,263,264
Seq#:594; N Pos. 265,266,267,268,269,270,271,272,273,274,275,276,277,278
Seq#:594; N Pos. 279,280,281,282,283,284,285,286,287,288,289,290,291,292
Seq#:594; N Pos. 293,294,295,296,297,298,299,300,301,302,303,304,305,306
Seq#:594; N Pos. 307,308,309,310,311,312,313,314,315,316,317,318,319,320
Seq#:594; N Pos. 321,322,323,324,325,326,327,328,329,330,331,332,333,334
Seq#:594; N Pos. 335,336,337,338,339,340,341,342,343,344,345,346,347,348
Seq#:594; N Pos. 349,350,351,352,353,354,355,356,357,358,359,360,361,362
Seq#:594; N Pos. 363,364,365,366,367,368,369,370,371,372,408,423
Seq#:604; N Pos. 520
Seq#:608; N Pos. 11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29
Seq#:608; N Pos. 30,31,32,33,34,35,36,37,38,39,380,381,382,383,384,385,386
Seq#:608; N Pos. 387,388,389,390,391,392,393,394,395,396,397,398,399,400
Seq#:608; N Pos. 401,402,403,404,405,406,407,408,409,410,411,412,413,414
Seq#:608; N Pos. 415,416,417,418,419,420,421,422,423,424,425,426,427,428
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Seq#:608; N Pos. 471,472,473,474,475
Seq#:622; N Pos. 316
Seq#:636; N Pos. 384,385,386,387,388,389,390,391,392,393,394,395,396,397
Seq#:636; N Pos. 398,399,400,401,402,403,404,405,406,407,408,409,410,411
Seq#:636; N Pos. 412,413,414,415,416,417,418,419,420,421,422,423,424,425
Seq#:636; N Pos. 426,427,428,429,430,431,432,433,434,435,436,437,438,439
Seq#:636; N Pos. 440,441,442,443,444,445,446,447,448,449,450,451,452,453
Seq#:636; N Pos. 454,455,456,457,458,459,460,461,462,463,464,465,466,467
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Seq#:636; N Pos. 468,469,470,471,472,473,474,475,476,477,478,479,480,481
Seq#:636; N Pos. 482,483,484,485,486,487,488,489
Seq#:659; N Pos. 241
Seq#:2813; N Pos. 1
Seq#:2883; N Pos. 39
Seq#:2884; N Pos. 91,151,155,312,319
Seq#:2885; N Pos. 1

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Output Set: **N:\CRF4\09122005\J511937.raw**

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No
L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:10077 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:423 after pos.:0
M:341 Repeated in SeqNo=423
L:11159 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:439 after pos.:120
M:341 Repeated in SeqNo=439
L:13421 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:476 after pos.:0
M:341 Repeated in SeqNo=476
L:13532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:477 after pos.:0
M:341 Repeated in SeqNo=477
L:13655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:483 after pos.:0
M:341 Repeated in SeqNo=483
L:14401 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:493 after pos.:600
L:16330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:519 after pos.:60
M:341 Repeated in SeqNo=519
L:17071 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:534 after pos.:0
M:341 Repeated in SeqNo=534
L:18049 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:548 after pos.:0
M:341 Repeated in SeqNo=548
L:18817 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:559 after pos.:0
M:341 Repeated in SeqNo=559
L:20097 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:579 after pos.:180
L:20436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:584 after pos.:240
L:21053 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:591 after pos.:5400
L:21169 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:594 after pos.:0
M:341 Repeated in SeqNo=594
L:21707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:604 after pos.:480
L:21936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:608 after pos.:0
M:341 Repeated in SeqNo=608
L:22758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:622 after pos.:300
L:23650 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:636 after pos.:360
M:341 Repeated in SeqNo=636
L:25235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:659 after pos.:240
L:69679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2813 after pos.:0
L:75605 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2883 after pos.:0
L:75716 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2884 after pos.:60
M:341 Repeated in SeqNo=2884
L:75741 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2885 after pos.:0
L:75931 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2891 after pos.:420
L:75982 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2893 after pos.:240
M:341 Repeated in SeqNo=2893
L:76249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2900 after pos.:480
L:76353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2904 after pos.:180
L:76718 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2915 after pos.:60
L:76794 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2917 after pos.:0
M:341 Repeated in SeqNo=2917
L:89805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3102 after pos.:3960
L:89906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3104 after pos.:60
```

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M:341 Repeated in SeqNo=3104
L:89968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3106 after pos.:300
L:90235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3111 after pos.:540
L:90551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3117 after pos.:480